US 20140007081A1

(19) United States

(12) Patent Application Publication

(10) Pub. No.: US 2014/0007081 A1

(43) Pub. Date: Jan. 2, 2014

McDiarmid et al.

(54) **GENERATING A LOCAL COPY OF A VIRTUALIZED APPLICATION PACKAGE FROM A LOCAL INSTALLATION**

(71) Applicant: **Microsoft Corporation**, Redmond, WA (US)

(72) Inventors: **Trevor William McDiarmid**, Seattle, WA (US); **Gurashish Singh Brar**, Redmond, WA (US)

(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

(21) Appl. No.: **14/019,594**

(22) Filed: **Sep. 6, 2013**

Related U.S. Application Data

(63) Continuation of application No. 12/471,476, filed on May 26, 2009, now Pat. No. 8,533,151.

Publication Classification

(51) **Int. Cl.**
G06F 9/445 (2006.01)

(52) **U.S. Cl.**
CPC *G06F 8/61* (2013.01)
USPC **717/176**

(57) **ABSTRACT**

Technologies are described herein for generating a local copy of a virtualized application package from a local installation. An empty copy of the virtualized application package is generated from a skeleton file. The skeleton file contains a hash value computed from each data block in the virtualized application package. The component files of the application are retrieved from a virtual file system representation of the location installation of the application, and each component file is divided into one or more blocks of data. A hash value is computed for each block of data and the skeleton file is searched for a hash value corresponding to a data block of the virtualized application file that matches the hash value computed for each block of data. If a match is found, the block of data is copied to the corresponding data block of the empty copy of the virtualized application package.